SIEMENS

MOTION CONNECT 800PLUS



Figure similar

MLFB-Ordering data **6FX8002-5CR41-1BA0**

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data	
No. of cores x cross-section mm²	4x10 C
Test voltage, rms Power conductors	4.0 kV
Test voltage, rms Signal conductors	2.0 kV
Type with braking lead	No
Rated voltage V0/V according to EN 50395	600 V/1000 V

Mechanical data	
Type of connection cable engine side	Open end of lead
Connector size	without
Type of bolting	M32
Type of connection cable converter side	Open end of lead
Maximum cable outer diameter	18.2 mm
Length	10.0 m
Weight (without connector)	6.20 kg

Static deployment

Smallest bending radius (fixed installation)	54.6 mm
Tensile stress, max. Fixed installation	50 N/mm² (7252 lbf/in²)
Torsional stress	Absolute 30°/m

Dynamic deployment

Smallest bending radius(flexible installation in a cable carriers)	140.0 mm
Acceleration horizontal, max	50 m/s²
Maximum traversing velocity	300 m/min
Travel path	50 m
Number of bends, max.	10,000,000
Tensile load for moving cable, max.	20 N/mm² (2901 lbf/in²)

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Technical data

Ambient temperature

Operation with permanently installed cable	-50 ... 80 °C Module-end power connector 0 ... 55°C, Motor-end power connector -20 ... 80°C
Operation with moving cable	-20 ... 60 °C Module-end power connector 0 ... 55°C
Storage	-20 ... 80 °C Module-end power connector -20 ... 70°C, Motor-end power connector -20 ... 80°C
Kind of connection cable	Basis cable
Material of the cable sheath	PUR DESINA color orange RAL 2003
Type of insulation	CFC/halogen/silicone-free
Standard for behavior in fire: flame resistance	EN 60332-1-1 to 1-3
Oil resistance	EN 60811-2-1
Verification of suitability as authorisation for USA	UL 758
Verification of suitability as authorisation for Canada	CSA-C22.2-N.210.2-M90